

King County DNRP Water Quality Index

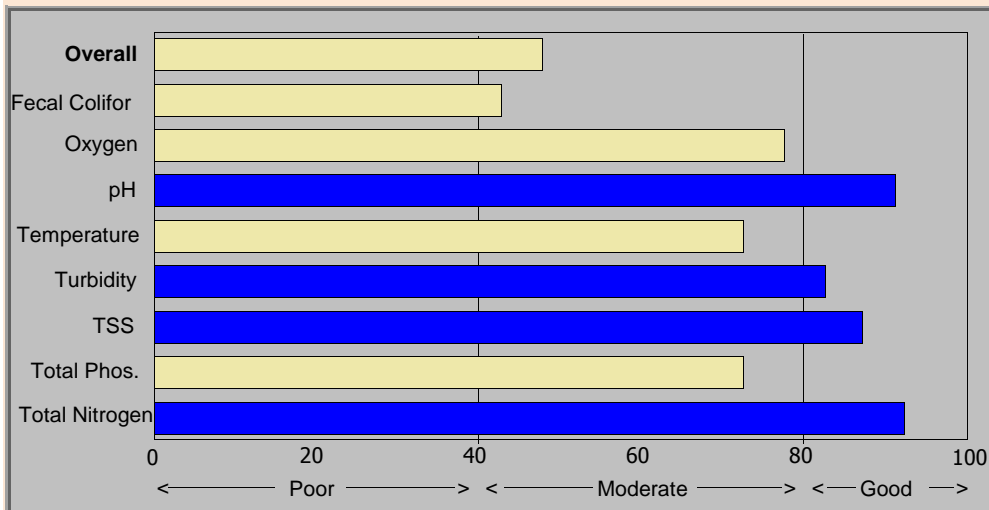
STATION **A617** WATER YEAR **2014**

GAUGE # 63a **Lewis Creek at West Lake Sammamish Parkway SE** **Overall Index 48**

King County monitors water quality of Lewis Creek at station A617, which is located at a bridge near the intersection of 187th Ave SE and 185th Place SE. Water quality monitoring occurred from 1995 – 2008 when budget cutbacks reduced the breadth of King County’s water quality monitoring program. Sampling resumed in 2013. The mainstem of Lewis Creek is short, running just 1.5 miles, but it has numerous branched tributaries. The mainstem originates on the northeast side of Cougar Mountain and drains into the southern end of Lake Sammamish. The basin encompasses 1,209 acres. The dominant land use in the Lewis Creek basin is single family residential and rural residential. Lewis Creek is listed on the 2012 Washington Department of Ecology’s 303(d) list for violation of dissolved oxygen, temperature, and fecal coliform bacteria standards. Several species of salmonids have been observed in the creek below the culvert at I-90, which is a barrier to fish passage.

Annual Water Quality Index Scores

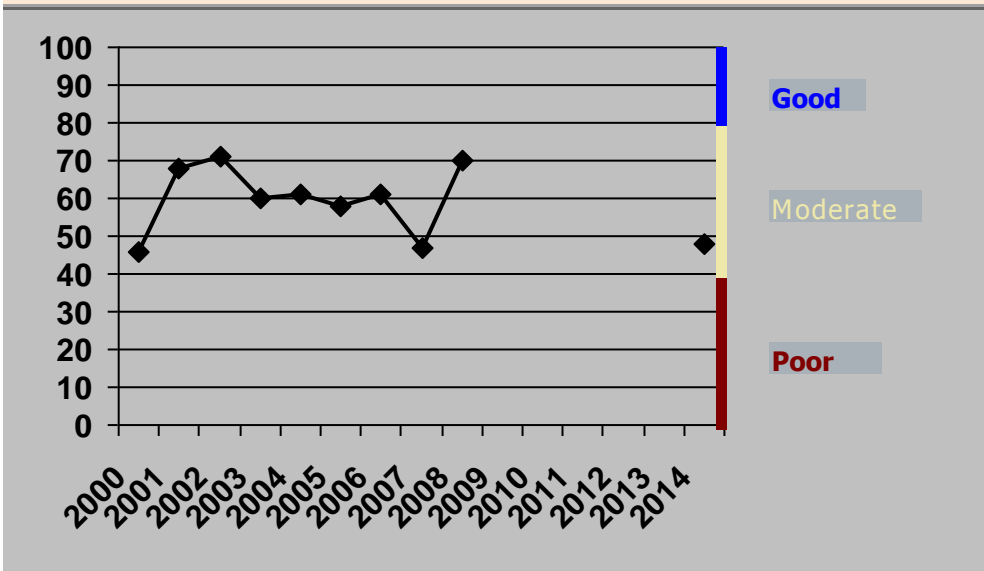
Water quality was MODERATE based on data collected 10/1/2013 to 9/30/2014.



Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
94	90	96	97	96	66	93	87	78	76	6	70

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington’s Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>